

Fig. 8 illustrates a preferred embodiment of an access interval used by the hierarchical network of the present invention.

EW

9B

2/5/10 5

Figs. 9A and 9B conceptually illustrate how multiple NETs may be employed in an idealized cellular-type installation according to the present invention.

Fig. 10 illustrates an access point coverage contour overlap for the multiple NETs Infrastructured Network of Fig. 1.

10 Fig. 11 illustrates hopping sequence reuse in a multiple NET configuration of the present invention.

Fig. 12 illustrates a hierarchical infrastructured network of the present invention wherein a wireless link connects access points on separate hard wired LANs.

15 Fig. 13 illustrates a hierarchical infrastructured network of the present invention including a wireless access point.

Fig. 14 illustrates conceptually access points communicating neighboring access point information to facilitate roaming of portable/mobile devices.

Fig. 5A illustrates an embodiment of an access interval used by the hierarchical network of the present invention wherein a reservation phase is Idle Sense Multiple Access.

CW
2/5/10

5B
Fig. 5B illustrates an embodiment of an access interval used by the hierarchical network of the present invention wherein a device response follows a reservation poll.

Fig. 6A illustrates an embodiment of an access interval used by the hierarchical network of the present invention having multiple reservation slots for transmission of a Request For Poll signal.

10 Fig. 6B illustrates an embodiment of an access interval used by the hierarchical network of the present invention wherein general devices contend for channel access.

15 Fig. 7A illustrates a sequence in an access interval used by the hierarchical network of the present invention for transferring data from a remote device to a control point device.

20 Fig. 7B illustrates a sequence in an access interval used by the hierarchical network of the present invention for transferring data from a control point device to a remote device.